Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/10/2018 09:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124422	-1	1.14	124448	1.10
Blue	F	SSC	125000	126392	1	1.69	127124	1.72
Blue	E	FITC	16596	16332	-2	2.92	353	21.73
Blue	D	PE	29392	28963	-2	1.92	628	16.19
Blue	B	PerCP-Cy5-5	38531	38499	-1	4.06	1173	22.14
Blue	A	PE-Cy7	26351	26936	2	7.54	658	44.96
Red	C	APC	43035	42042	-3	2.66	1579	13.44
Red	A	APC-Cy7	25611	25510	-1	2.77	877	13.03
Violet	B	V450	8803	8384	-5	4.01	460	14.32
Violet	A	V500	32560	32125	-2	3.71	745	11.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20439	3.73	607	10	N/A	N/A	Pass
Blue	F	SSC	57342	1.16	574	19	N/A	N/A	Pass
Blue	E	FITC	62	68.71	558	8	0.0161	126	Pass
Blue	D	PE	132	56.24	558	9	0.1454	338	Pass
Blue	B	PerCP-Cy5-5	224	53.45	661	10	0.0077	65	Pass
Blue	A	PE-Cy7	131	106.89	719	14	0.0089	16	Pass
Red	C	APC	369	28.47	601	4	0.0196	131	Pass
Red	A	APC-Cy7	215	28.64	576	5	0.0046	955	Pass
Violet	B	V450	72	68.43	476	1	0.0525	2891	Pass
Violet	A	V500	112	35.23	487	3	0.0194	679	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.62	-31.95	1.11
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	16.76	13.60 - 20.40	N/A	N/A	28.92	29.66	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9838

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments